

Science Question Papers

Q1: Which among the following waves is used for communication by artificial satellites?

- (a) The frequency of 101 series (b) Radio waves
(c) A. M. (d) Microwaves

Q2: When the speed of a car is doubled then what should be the braking force of the car to stop it at the same distance?

- (a) two times (b) four times
(c) half (d) one fourth

Q3: The mass of a star is two times the mass of the Sun. How will it come to an end?

- (a) Neutron Star (b) Blackhole
(c) White Dwarf (d) Red Giant

Q4: Rain drops fall from great height. Which among the following statements is true regarding it?

- (a) their velocity increases and they fall with the same velocity of the earth
- (b) they fall with the same ultimate velocity
- (c) their velocity increases and they fall with different velocities on the surface of the earth
- (d) they fall with that ultimate velocity which is different for different droplets.

Q5: Which of the following statements is true when we see a rainbow?

- (a) We must face the sun and view it through the raindrops
- (b) The Sun remains behind us and we face the raindrops
- (c) In a light rainfall, we will face the Sun
- (d) The sky remains clear and the sun is at a lower position in the sky

Find Your Answers Here

Q1: D), Q2: B), Q3: A), Q4: D), Q5: B)

Chemistry

Q1: Cement is made hard by:

(a) dehydration

(b) hydration and dissociation of water

(c) Dissociation of water

(d) Polymerisation

Q2: What happens when a chemical bond is formed?

(a) energy is always absorbed

(b) energy is always released

(c) more energy is released than is absorbed

(d) energy is neither released nor absorbed

Q3: Which one of the following metals pollutes the air of a city having a large number of automobiles?

(a) Cadmium

(b) Chromium

(c) Lead

(d) Copper

Q4: Table salt gets moist during the rainy season because:

(a) sodium chloride is hygroscopic

(b) sodium chloride is deliquescent

(c) sodium chloride contains some quantity of sodium iodide

(d) sodium chloride contains hygroscopic impurities like magnesium chloride

Q5: Which among the following stage is a suitable indicator when the solution of sodium carbonate is mixed with sulphuric acid?

(a) Methylene blue (b) Methyl red

(c) Phenolphthalein (d) Methyl orange

Q6: Milk of Magnesia is a suspension of:

(a) magnesium sulphate (b) magnesium carbonate

(c) magnesium hydroxide (d) magnesium chloride

Q7: The presence of ozone in the stratosphere is responsible for?

(a) increasing the average global temperature in recent years

(b) a higher rate of photosynthesis

(c) checking the penetration of ultraviolet rays to the earth

(d) supplying oxygen for people travelling in jets

Q8: The fundamental particles present in the nucleus of an atom are:

(a) Electrons and protons

(b) Protons and neutrons

(c) Neutrons and electrons

(d) Neutrons and positrons

Q9: In which of the following substances all carbon atoms are quaternary in nature?

(a) Graphite (b) Diamond (c) Teflon (d) Naphthalene

Q10: The ratio of pure gold in 18-carat gold is:

(a) 60% (b) 75% (c) 80% (d) 90%

Find Your Answers Here

Q1: B), Q2: A), Q3: C), Q4: D), Q5: D), Q6: C), Q7: C), Q8: B), Q9: B), Q10: B)

Biology

Q1: The colour of the eye depends upon the pigment present inside?

(a) cornea (b) iris (c) rods (d) cones

Q2: The ability of the eye to see in the dark is due to the production of a purple pigment known as?

(a) Carotene (b) Rhodopsin (c) Iodopsin (d)
Retinene

Q3: The vitamin most readily destroyed by heat is?

(a) Riboflavin (b) Ascorbic acid (c) Tocopherol (d)
Thiamine

Q4: Which one of the following is not a vaccine?

- (a) BCG (b) Anti-rabies (c) Polio vaccine (d)
Progesterone

Q5: The disease that is caused by the virus is?

- (a) Typhoid (b) Cholera (c) Common Cold (d) Tetanus

Q6: The locomotory organ of Amoeba is?

- (a) Pseudopodia (b) Parapodia (c) Flagella (d) Cilia

Q7: The number of chromosomes present in a normal human being is?

- (a) 23 (b) 46 (c) 22 (d) 48

Q8: An instrument for measuring blood pressure is called?

- (a) Barometer (b) Spirometer (c) Sphygmomanometer
(d) Haemocytometer

Answers

Q1: B), Q2: D), Q3: B), Q4: D), Q5: C), Q6: A), Q7: B), Q8: C)

1. Who is honored as Father of Modern Chemistry?

Antoine Lavoisier

2. Who invented periodic table?

Dmitri Mendeleev

3. Which is the most abundant gas in the earth's atmosphere?

Nitrogen (78.08%)

4. Which gas evolved from paddy fields and marshes?

Methane

5. Which toxic element present in automobile exhausts?

Lead

6. Which gases cause acid rain?

Sulphur dioxide, Nitrogen oxides

7. Which metal is used in the making of microchips?

Silicon

8. What is the toxicity caused by silicon called?

Silicosis

9. Which polymer is used to manufacture electric switches, computer disks etc.?

Bakelite

10. With which polymer, the cabinets of radio and TV made of?

Polystyrene

11. Which chemical is used to make rain coats?

Poly Vinyl Chloride(PVC)

12. Which type of plastics can be recycled?

Thermoplastics

13. What is the name given to plastics that cannot be recycled?

Thermosetting plastics

14. Which element is a liquid at ordinary temperature?

Mercury

15. What is the chemical name of baking soda?

Sodium bicarbonate

16. What is sodium carbonate commonly known as?

Washing soda or soda ash

17. What is sodium chloride?

Table salt

18 What is table sugar?

Cane sugar (Sucrose)

19. What is the element present on lead pencils?

Carbon (graphite)

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20. Which gas is found in soda water?

Carbon dioxide

21. What is the solvent of gold?

Aquaregia

22. Name the chemical added to make tooth pastes white?

Titanium dioxide

23. Which chemical is the reason behind the brown colour of human faces?

Bilirubin

24. Which chemical is called Chile Salt peter?

Sodium Nitrate

25. What is marsh gas?

Methane

26. What is the chemical name of Chinese salt?

Monosodium glutamate

27. Which is the purest form of carbon?

Graphite

28. Which is called white poison?

Sugar

29. Which is the simplest sugar?

Glucose

30. What is the biological polymer in paper?

Cellulose